1508361 LINE?
615796 VERTICAL
1508361 LINE?
L1 9850 (HORIZONTAL )(2A)LINE? (P) VERTICAL(2A)LINE?

>> s model (p)(grid? or mesh? or wirefram? or wire(w)fram?)
176076 MODEL
61775 GRID?
187919 MESH?
114 WIREFRAM?
268606 WIRE
423473 FRAM?
L2 4087 MODEL (P)(GRID? OR MESH? OR WIREFRAM? OR WIRE(W)FRAM?)
>> s 12 and 11

L3 54 L2 AND L1

=> d 13 1-

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- 3. 5,714,751, Feb. 3, 1998, Automatic visor for continuously repositioning a shading element to shade a target location from a direct radiation source; Sweetsun Chen, 250/203.4, 206.1; 359/601 [IMAGE AVAILABLE]
- 4. 5,661,514, Aug. 26, 1997, Method and apparatus for controlling a thermal print head; Lawrence J. Lukis, et al., 347/211, 185, 186 [IMAGE AVAILABLE]
- 5. 5,641,385, Jun. 24;-1997, Use of ethyleneamine for washing pulp containing lignin; Alan P. Croft, et al., 162/60, 72, 90 [IMAGE AVAILABLE]
- 6. 5,583,973, Dec. 10, 1996, Molecular modeling method and system; Charles DeLisi, et al., 345/420 [IMAGE AVAILABLE]
- 7. 5,583,825, Dec. 10, 1996, Method for deriving reservoir lithology and fluid content from pre-stack inversion of seismic data; James J. Carrazzone, et al., 367/31, 83; 702/13, 17, 85 [IMAGE AVAILABLE]
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- 9. 5,516,113, May 14, 1996, Resistive matrix targeting system; Robert B. Hodge, 273/371; 178/18.05 [IMAGE AVAILABLE]
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- 11. 5,371,845, Dec. 6, 1994, Technique for providing improved user feedback in an interactive drawing system; Martin E. Newell, et al., 345/347, 355, 433; 706/919 [IMAGE AVAILABLE]
- 12. 5,357,428, Oct. 18, 1994, Methods and apparatus for mapping electrophysiological potentials in living subjects; Charles L. Stone, Jr., 600/372 [IMAGE AVAILABLE]
- 43. 5,317,689, May 31, 1994, Digital visual and sensor simulation system for generating realistic scenes; Myron L. Nack, et al., 345/505, 508 [IMAGE AVAILABLE]
- 14. 5,298,732, Mar. 29, 1994, Automatic visor for continuously repositioning a shading object to shade a designated location from a direct radiation source; Sweetsun Chen, 250/203. 206.1; 351/44 [IMAGE AVAILABLE]
- 15. 5,287,435, Feb. 15, 1994, Three dimensional modeling, Nissan Cohen, et al., 345/418; 264/183, 401; 364/468.26; 425/162 [IMAGE AVAILABLE]
- 16. 5,268,999, Dec. 7, 1993, Modeling method and system using solid data having functional structure and normal projection drawing dimensional format; Terumichi Yokoyama, 345/441; 364/474.24; 382/141 [IMAGE AVAILABLE]
- 17. 5,247,436, Sep. 21, 1993, System for interpolating surface potential values for use in calculating current density; Charles L. Stone, Jr., 600/372 [IMAGE AVAILABLE]
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- 23. RE 33,973, Jun. 23, 1992, Image generator having automatic alignment method and apparatus; J. Stanley Kriz, et al., 348/100, 745; 395/101; 396/429 [IMAGE AVAILABLE]

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- 50. 3,830,568, Aug. 20, 1974, MULTIPLE DETECTION VOLUME LASER DOPPLER VELOCIMETER; John B. Allen, 356/28; 250/237G; 356/336 [IMAGE AVAILABLE] 51. 3,763,743, Oct. 9, 1973, APPARATUS FOR MAKING MASTER MODELS; Thomas D. Vertin, 409/126, 118 [IMAGE AVAILABLE]
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- 2. 5,748,199, May 5, 1998, Method and apparatus for converting a two dimensional motion picture into a three dimensional motion picture; Charles S. Palm, 345/473, 419, 433; 352/50 [IMAGE AVAILABLE]
- 3. 5,745,666, Apr. 28, 1998, Resolution-independent method for displaying a three-dimensional model in two-dimensional display space; Glenn G. Gilley, et al., 1/1 [IMAGE AVAILABLE]
- 4. 5,745,665, Apr. 28, 1998, Method for processing a three-dimensional data set into a composite two-dimensional image viewable as a three-dimensional image; Michael H. Pasco, 1 [IMAGE AVAILABLE]
- 5. 5,745,118, Apr. 28, 1998, 3D bypass for download of textures; Byron A. Alcorn, et al., 345/430, 506 [IMAGE AVAILABLE]
- 6. 5,742,293, Apr. 21, 1998, Data visualizer utilizing exterior selected and depth sorted polyhedron faces; Koji Koyamada, et al., 345/421, 424, 427 [IMAGE AVAILABLE]
- 7. 5,742,292, Apr. 21, 1998, System and method for realistically displaying images indicating the effects of lighting on an object in three dimensional space; Katsuyuki Murata, 345/420 [IMAGE AVAILABLE]
- 8. 5,742,291, Apr. 21, 1998, Method and apparatus for creation of three-dimensional wire frames; Charles S. Palm, 345/420, 141 [IMAGE AVAILABLE]
- 9. 5,742,290, Apr. 21, 1998, Molecular orbital modeling system with an improved function processor; Tomoaki Hayano, et al., 345/419, 501; 364/578; 434/283 [IMAGE AVAILABLE]
- 10. 5,742,288, Apr. 21, 1998, Method of generating or modifying solid model of an object according to cross-sectional shapes and a predetermined relationship and apparatus suitable for practicing the method; Koichi Nishizaka, et al., 345/418; 364/468.04, 578 [IMAGE AVAILABLE]
- 11. 5,740,343, Apr. 14, 1998, Texture compositing apparatus and method; Gary Tarolli, et al., 345/430, 501, 506 [IMAGE AVAILABLE]
- 12. 5,740,341, Apr. 14, 1998, Design and production supporting system for component arrangement and pipe routing; Yoshimi Oota, et al., 345/420 [IMAGE AVAILABLE]
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- 14. 5,736,987, Apr. 7, 1998, Compression of graphic data normals; Steven M. Drucker, et al., 345/420, 202, 418; 364/715.02; 382/232, 242; 395/888 [IMAGE AVAILABLE]
- 15. 5,731,818, Mar. 24, 1998, Method and apparatus for constrained gamut clipping; Shijie Wan, et al., 345/431, 150; 358/518, 520 [IMAGE AVAILABLE]
- 16. 5,729,672, Mar. 17, 1998, Ray tracing method and apparatus for projecting rays through an object represented by a set of infinite surfaces; Martin Ashton, 345/429, 421 [IMAGE AVAILABLE]
- 17. 5,727,140, Mar. 10, 1998, Character generating method and apparatus; Mutsumi Ohtomo, et al., 345/467, 472 [IMAGE AVAILABLE]
- 18. 5,727,138, Mar. 10, 1998, Method of and apparatus for generating three-dimensional model; Hiroaki Harada, 345/420, 419; 364/468.1 [IMAGE AVAILABLE]
- 19. 5,721,572, Feb. 24, 1998, Method of creating and using a four color device gamut descriptor; Shijie Wan, et al., 345/431 [IMAGE AVAILABLE]

- 20. 5,719,598, Feb. 17, 1998, Graphics processor for parallel processing a plurality of fields of view for multiple video lays; Roy Westlake Latham, 345/419, 433, 505, 521 [IMAGE-AVAILABLE]
- 21. 5,717,940, Feb. 10, 1998, Method of selecting a target document using features of an example page; Mark Peairs, 707/515 [IMAGE AVAILABLE]
- 22. 5,715,384, Feb. 3, 1998, Real-time image display method and apparatus displaying two different visual resolutions; Toshikazu Ohshima, et al., 356/12 [IMAGE AVAILABLE]
- 23. 5,710,878, Jan. 20, 1998, Method for facilitating material application for a group of objects of a computer graphic; David Scott McCoy, et al., 345/429, 419, 430, 431, 432 [IMAGE AVAILABLE]
- 24. 5,710,876, Jan. 20, 1998, Computer graphics system for rendering images using full spectral illumination data; Mark S. Peercy, et al., 345/426, 430 [IMAGE AVAILABLE]
- 25. 5,708,764, Jan. 13, 1998, Hotlinks between an annotation window and graphics window for interactive 3D graphics; Paul Borrel, et al., 345/419; 364/468.09, 468.1 [IMAGE AVAILABLE]
- 26. 5,704,026, Dec. 30, 1997, Method and apparatus for determining a gamut boundary and a gamut descriptor; Shijie J. Wan, 345/431, 419 [IMAGE AVAILABLE]
- 27. 5,701,403, Dec. 23, 1997, Cad system; Hideo Watanabe, et al., 345/419 [IMAGE AVAILABLE]
- 28. 5,699,497, Dec. 16, 1997, Rendering global macro texture, for producing a dynamic image, as on computer generated terrain, seen from a moving viewpoint; Alan C. Erdahl, et al 345/428 [IMAGE AVAILABLE]
- 29. 5,694,532, Dec. 2, 1997, Method for selecting a three-dimensional object from a graphical user interface; Richard Carey, et al., 345/419, 339 [IMAGE AVAILABLE]
- 30. 5,689,627, Nov. 18, 1997, Polygon drawing and filling apparatus which initially sorts three dimensional polygons by planar characteristics; Ikumi Arai, et al., 345/423, 434, 501 [IMAGE AVAILABLE]
- 31. 5,689,287, Nov. 18, 1997, Context-preserving display system using a perspective sheet; Jock D. Mackinlay, et al., 345/427, 433 [IMAGE AVAILABLE]
- 32. 5,687,305, Nov. 11, 1997, Projection of images of computer models in three dimensional space; Michael Evans Graham, et al., 345/425, 427 [IMAGE AVAILABLE]
- 33. 5,684,935, Nov. 4, 1997, Rendering and warping image generation system and method; Nicanor P. Demesa, III, et al., 345/419 [IMAGE AVAILABLE]
- 34. 5,682,520, Oct. 28, 1997, Array processor for morphological image processing; Wai-Chi Fang, et al., 345/502, 955 [IMAGE AVAILABLE]
- 35. 5,682,468, Oct. 28, 1997, OLE for design and modeling; Mark D. Fortenbery, et al., 345/419 [IMAGE AVAILABLE]
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- 39. 5,655,063, Aug. 5, 1997, Topology based tolerancing for geometric modeling operations; Gary A. Crocker, 345/420 [IMAGE AVAILABLE]
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- 42. 5,644,687, Jul. 1, 1997, Methods and system for thermal analysis of electronic packages; Dereje Agonafer, et al., 345/419, 423 [IMAGE AVAILABLE]
- 43. 5,633,993, May 27, 1997, Method and apparatus for providing a virtual world sound system; William G. Redmann, et al., 345/419; 381/61 [IMAGE AVAILABLE]
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- 53. 5,604,848, Feb. 18, 1997, Viewpoint setting apparatus for a computer graphics system for displaying three-dimensional models; Hiroaki Harada, et al., 345/419 [IMAGE AVAILABLE]
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- 55. 5,594,846, Jan. 14, 1997, Perspective correction of texture in graphics by adaptive approximation; Walter E. Donovan, 345/430, 425 [IMAGE AVAILABLE]
- 56. 5,594,845, Jan. 14, 1997, Method and device for processing an image in order to construct a target image from a plurality of contiguous source images; Raoul Florent, et al., 345/427 [IMAGE AVAILABLE]
- 57. 5,590,261, Dec. 31, 1996, Finite-element method for image alignment and morphing; Stanley E. Sclaroff, et al., 345/473; 382/284, 294 [IMAGE AVAILABLE]
- 58. 5,590,260, Dec. 31, 1996, Method and apparatus for optimizing the display of fonts in a data processing system; Gary J. Morse, et al., 345/467, 192 [IMAGE AVAILABLE]
- 59. 5,590,251, Dec. 31, 1996, Color reproducing device for reproducing matched colors and an outputting device for outputting information for reproducing a color of a coated surfac

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- 61. 5,583,973, Dec. 10, 1996, Molecular modeling method and system; Charles DeLisi, et al., 345/420 [IMAGE AVAILABLE]
- 62. 5,581,674, Dec. 3, 1996, Image displaying system for efficiently storing images having different luminance levels for use in a graphic display system; Yasunari Itoh, 345/429, 507 [IMAGE AVAILABLE]
- 63. 5,581,673, Dec. 3, 1996, Method and device for dividing and drawing polygons; Toshio Kikuchi, 345/423, 443 [IMAGE AVAILABLE]
- 64. 5,579,456, Nov. 26, 1996, Direct rendering of textured height fields; Michael A. Cosman, 345/428, 419, 421, 427 [IMAGE AVAILABLE]
- 65. 5,572,636, Nov. 5, 1996, Three-dimensional graphics drawing apparatus; Takahiro Sakuraba, et al., 345/430 [IMAGE AVAILABLE]
- 66. 5,572,634, Nov. 5, 1996, Method and apparatus for spatial simulation acceleration; Jerome F. Duluk, Jr., 345/419 [IMAGE AVAILABLE]
- 67. 5,570,460, Oct. 29, 1996, System and method for volume rendering of finite element models; Gopalan Ramanujam, 345/424 [IMAGE AVAILABLE]
- 68. 5,568,597, Oct. 22, 1996, Adapting image data resolution to match resolution of an output device; Tadayoshi Nakayama, et al., 345/432, 428 [IMAGE AVAILABLE]
- 69. 5,566,284, Oct. 15, 1996, Apparatus and method for mip-map generation using low-pass filtering based on resolution ratio; Yorihiko Wakayama, 345/430 [IMAGE AVAILABLE
- 70. 5,566,283, Oct. 15, 1996, Computer graphic image storage, conversion and generating apparatus; Toshio Modegi, et al., 345/426, 428, 430, 431, 501 [IMAGE AVAILABLE]
- 71. 5,566,279, Oct. 15, 1996, Method of and apparatus for reading out digital image data from three-dimensional memory; Yoichi Katayama, 345/419 [IMAGE AVAILABLE]
- 72. 5,563,996, Oct. 8, 1996, Computer note pad including gesture based note division tools and method; Michael C. Tchao, 707/521; 345/341, 358; 707/525 [IMAGE AVAILABLE]
- 73. 5,559,935, Sep. 24, 1996, Method and apparatus for generating isosurfaces; Takayuki Itoh, et al., 345/424 [IMAGE AVAILABLE]
- 74. 5,555,356, Sep. 10, 1996, System and method for generating a trimmed parametric surface for display on a graphic display device; Frederick J. Scheibl, 345/434, 423 [IMAGE AVAILABLE]
- 75. 5,553,217, Sep. 3, 1996, Document layout using tiling; Peter E. Hart, et al., 707/521, 518, 520 [IMAGE AVAILABLE]
- 76. 5,553,206, Sep. 3, 1996, Method and system for producing mesh representations of objects; Siavash N. Meshkat, 345/423, 419 [IMAGE AVAILABLE]
- 77. 5,546,518, Aug. 13, 1996, System and method for composing a display frame of multiple layered graphic sprites; Jon Blossom, et al., 345/473, 435 [IMAGE AVAILABLE]
- 78. 5,544,297, Aug. 6, 1996, Object-oriented audio record/playback system; Steven H. Milne, et al., 345/302 [IMAGE AVAILABLE]
- 79. 5,544,291, Aug. 6, 1996, Resolution-independent method for displaying a three dimensional model in two-dimensional display space; Glenn G. Gilley, et al., 345/423, 426, 428, 429 [IMAGE AVAILABLE]
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- 81. 5,537,641, Jul. 16, 1996, 3D realtime fluid animation by Navier-Stokes equations; Niels da Vitoria Lobo, et al., 345/419, 473 [IMAGE AVAILABLE]
- 82. 5,535,315, Jul. 9, 1996, Graphic coloring system in a graphic-display system having separately stored shape/positional data and color data selectively combinable to form desired images of differing shapes and colors; Yasunari Itoh, 345/431, 432 [IMAGE AVAILABLE]
- 83. 5,533,178, Jul. 2, 1996, Program product for displaying a line passing through a plurality of boxes; Nimrod Megiddo, 345/419 [IMAGE AVAILABLE]
- 84. 5,509,110, Apr. 16, 1996, Method for tree-structured hierarchical occlusion in image generators; Roy W. Latham, 345/421, 422 [IMAGE AVAILABLE]
- 85. 5,504,846, Apr. 2, 1996, Method and apparatus for improved area demarcation in bit mapped image derived from multi-color bit mapped image; Jeffrey O. Fisher, 345/431, 429, 432 [IMAGE AVAILABLE]
- 86. 5,499,324, Mar. 12, 1996, Graphic display apparatus with improved shading capabilities; Noriko Nakayama, 345/429, 426 [IMAGE AVAILABLE]
- 87. 5,499,323, Mar. 12, 1996, Volume rendering method which increases apparent opacity of semitransparent objects in regions having higher specular reflectivity; Akio Doi, et al., 345/426, 424, 431 [IMAGE AVAILABLE]
- 88. 5,490,243, Feb. 6, 1996, Data processing system for multi-platform print control and electronic data fill; Frank Millman, et al., 707/507, 506, 523 [IMAGE AVAILABLE]
- 89. 5,481,658, Jan. 2, 1996, Method and apparatus for displaying a line passing through a plurality of boxes; Nimrod Megiddo, 345/419, 418, 421 [IMAGE AVAILABLE]
- 90. 5,473,736, Dec. 5, 1995, Method and apparatus for ordering and remapping colors in images of real two- and three-dimensional objects; Fredric S. Young, 345/431; 358/518, 520 [IMAGE AVAILABLE]

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